

## **NIF Capsule Design Candidates\***

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We describe several ignition capsule designs, for use in the National Ignition Facility. We will compare these designs for ablator efficiency ignition margin, implosion and stability performance. This study includes capsule designs driven by x-ray drive profiles with both 300 eV and 250 eV peak temperature. All of the 300 eV designs are tuned to implode the DT fuel in a nearly identical manner. Some issues relating to material properties and fabrication will be described.

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